

MINUTES

REGULAR MEETING OF THE BOARD OF WATER SUPPLY

February 25, 2019

At 2:00 pm on February 25, 2019 in the Board Room of the Public Service Building at 630 South Beretania Street, Honolulu, Hawaii, Board Chair Andaya called to order the Regular Meeting.

Present: Bryan P. Andaya, Chair
Kapua Sproat, Vice Chair
Ray C. Soon
Max Sword
Ross S. Sasamura
Jade T. Butay (arrived at 2:01pm)

Also Present: Ernest Lau, Manager and Chief Engineer
Ellen Kitamura, Deputy Manager and Chief Engineer
Erwin Kawata
Barry Usagawa
Mike Fuke
Jason Takaki
Joe Cooper
Mike Matsuo
Kevin Ihu
Kathleen Elliott-Pahinui
Henderson Nuuhiwa
Robert Morita
Jennifer Elflein
Michele Thomas
Kathy Mitchell
Tracy Burgo
Stella Bernardo
Miwako Coker
Steven Norstrom

Others Present: Jeff Lau, Deputy Corporation Counsel
Jessica Wong, Deputy Corporation Counsel
Christine Harris, CDM Smith
Chris Cleveland, Brown and Caldwell
Tom Myers, Brown and Caldwell
David Bell, Public

Absent: Kay C. Matsui

APPROVAL OF
MINUTES

Approval of the Minutes of the Regular Meeting held on January 28, 2019

MOTION
TO APPROVE

Ray Soon and Max Sword motioned and seconded, respectively, to approve the Minutes of the Regular Session Meeting of January 28, 2019. The motion was unanimously carried.

Upon review and approval of the minutes of the regular meeting held January 28, 2019, Mr. Soon commented that the audit was hard for him and having to question or comment on it is too complex. Mr. Soon asked Chair Andaya if the Board considered having a committee to review an audit.

Chair Andaya stated, at this time, there is no committee established to review an audit. However, we have established permitted interaction groups from time to time to review or investigate issues related to real estate development; and another for water rate setting. Chair Andaya suggested the topic could be put it on the next agenda to give adequate notice to form a committee.

Mr. Soon indicated it was not necessary and he did not wish to put more burden on staff than necessary.

Manager Lau confirmed that the documents are included in the Boardpaq. Manager Lau suggested that in the future a copy of the audit report could be sent out well ahead of time to give Board Members ample time to call him for questions or even request a meeting. However, if a meeting is called, only up to three (3) Board Members (or less than a quorum) can meet with Manager Lau and he would have the auditor also attend.

Chair Andaya stated if documents are not able to be retrieved electronically, please let the Manager's office know so it could be mailed or messenger delivered.

"February 25, 2019

ADOPTION OF
RESOLUTION
NO. 893, 2019

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

Subject: Adoption of Resolution No. 893, 2019, Acceptance of Gifts to the Board of Water Supply from Various Donors in Support of the 2019 Water Conservation Week Program

We recommend the adoption of the attached Resolution No. 893, 2019, that accepts the proposed gifts to the Board of Water Supply (BWS), City and County of Honolulu, in support of the 2019 Water Conservation Week (WCW) Program. The donors' total value of these gifts is \$11,900.00.

<u>Donor Name</u>	<u>Amount</u>
Sodexo (Refreshments for awards ceremony reception)	\$ 2,400.00 (in-kind)
Board of Water Supply/Hawaiian Tel Federal Credit Union	\$ 2,000.00
Friends of Halawa Xeriscape Garden	\$ 2,000.00
Times Supermarkets	\$ 2,000.00
Alexander and Baldwin, Incorporated	\$ 1,000.00
Aloha Pacific Federal Credit Union	\$ 1,000.00
Hawaii Energy	\$ 1,000.00
Pasha Hawaii	\$ 500.00
TOTAL	\$11,900.00

The WCW program, currently in its 41st year of existence, is a successful, long-running public education program for Oahu's students in grades Kindergarten through 12 that teaches the value of drinking water and careful use of it. Studies have shown that when youth embrace water conservation practices at an early age, they are more likely to encourage their parents to be water-efficient and later raise water-smart families. Through this program, the BWS hopes to inspire more customers to adopt behaviors that support water conservation.

Sponsor gifts will help the BWS offset program costs that include the printing of 20,000 copies of the 2020 Water Conservation Calendars that feature the 2019 winning entries, as well as an awards ceremony for place winners and honorable mentions of the 2019 WCW Poster and Poetry contests. The calendars are distributed to all Oahu schools, elected officials, and the general public.

We deeply appreciate the continued support of this Board for this very valuable and worthwhile public education program. All participants in our

WCW program are encouraged to always embrace their roles as responsible stewards of our precious water resource.

Respectfully submitted,

/s/ ERNEST Y. W. LAU, P.E.
Manager and Chief Engineer

Attachment”

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 893, 2019

ACCEPTANCE OF GIFTS TO THE BOARD OF WATER SUPPLY
FROM VARIOUS DONORS IN SUPPORT OF THE
2019 WATER CONSERVATION WEEK PROGRAM

WHEREAS, the Board of Water Supply's (BWS) Water Conservation Week program is an annual activity that features a poster and poetry contest to educate Oahu's youth about the importance of using water efficiently and features the winning and honorable mention entries in an annual Water Conservation Calendar; and

WHEREAS, the BWS may solicit gifts to the Department as long as it does not provide special consideration, treatment, advantage, privilege, or exemption for or coerces a potential donor; and

WHEREAS, the BWS will solicit for gifts on its agency website, which is available for access by any interested person or business; and

WHEREAS, Friends of Halawa Xeriscape Garden; Hawaiian Financial Federal Credit Union, Board of Water Supply Branch; Times Supermarkets; Alexander and Baldwin, Incorporated; Aloha Pacific Federal Credit Union; Hawaii Energy; and Pasha Hawaii are offering monetary gifts totaling \$9,500.00; and Sodexo is offering in-kind gifts valued at \$2,400.00 in support of the 2019 Water Conservation Week program; and

WHEREAS, a gift to the BWS benefits the Department because it assists endeavors such as the BWS's Water Conservation Week public education program and reduces the need for ratepayer funds to support the program's key components; and

WHEREAS, the gifts will be used to offset reasonable and necessary costs of the printing and delivery of 20,000 Water Conservation Calendars featuring the contests' winning entries, as well as an awards ceremony to reveal and recognize the student winners and honorable mentions; now, therefore

BE IT RESOLVED that the Board of Water Supply hereby accepts the various gifts valued at \$11,900.00 and directs the Manager and Chief Engineer, or his delegate, to accept and thank the various donors for these gifts.

ADOPTED:

BRYAN P. ANDAYA
Chair

Honolulu, Hawaii

DISCUSSION: Tracy Burgo, BWS Information Specialist, gave the report on behalf of the BWS Information Officer. There were no comments or discussion.

MOTION TO
ADOPT
RESOLUTION
No. 893, 2019

Jade Butay motioned to adopt Resolution No. 893, 2019, Acceptance of Adoption of Resolution No. 893, 2019, Acceptance of Gifts to the Board of Water Supply from Various Donors in Support of the 2019 Water Conservation Week Program. The motion was seconded by Ross Sasamura and unanimously carried.

"February 25, 2019

ADOPTION OF
RESOLUTION
NO. 894, 2019

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

Subject: Adoption of Resolution No. 894, 2019, Acceptance of Gift to
the Board of Water Supply from City Mill Company, Ltd., for
Detect-A-Leak Week Program

We recommend acceptance of the proposed gift to the Board of Water Supply (BWS), City and County of Honolulu, from City Mill Company, Ltd. (City Mill) of 5,000 toilet leak detection dye tablets valued at \$515.50, in support of our annual Detect-A-Leak Week program, which helps educate the public about the importance of regular leak detection as an effective means to prevent unnecessary water loss.

According to the United States Environmental Protection Agency, the average American home can waste more than 10,000 gallons of water every year from running toilets, dripping faucets, and other household leaks. The most common household leaks are in toilets, so during Detect-A-Leak Week, the public can pick up toilet leak detection dye tablets at any City Mill store, Satellite City Hall location, or in the lobby of the BWS Public Service Building at 630 South Beretania Street.

Detect-A-Leak Week will be observed statewide from March 18-24, 2019, with each county water department coordinating its own public outreach program.

We greatly appreciate the continued participation and commitment of our community partners and our customers who support this very worthwhile program, which encourages all customers to embrace their role as responsible stewards of our precious water resource.

Respectfully submitted,

/s/ ERNEST Y. W. LAU, P.E.
Manager and Chief Engineer

Attachment"

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

RESOLUTION NO. 894, 2019

ACCEPTANCE OF GIFT FROM CITY MILL COMPANY, LTD., IN SUPPORT OF ANNUAL
DETECT-A-LEAK WEEK PROGRAM

WHEREAS, the Board of Water Supply's (BWS) Detect-A-Leak Week program will be observed from March 18-24, 2019, and focuses consumer attention on property leak detection and timely repair as an effective means to prevent unnecessary water loss; and WHEREAS, the BWS may accept gifts to the Department as long as it does not provide special consideration, treatment, advantage, privilege, or exemption for or coerces a potential donor; and

WHEREAS, City Mill Company, Ltd., is offering a gift of 5,000 toilet leak detection dye tablets valued at \$515.50 in support of the BWS's 2019 Detect-A-Leak Week conservation program; and

WHEREAS, the gift to the BWS is beneficial because providing Oahu residents with a free method to check for toilet leaks encourages regular leak detection and their personal responsibility as stewards of our precious water resources; now, therefore,

BE IT RESOLVED that the BWS hereby accept the gift valued at and directs the Manager and Chief Engineer, or his delegate, to accept and thank the City Mill Company, Ltd., for this gift.

ADOPTED:

BRYAN P. ANDAYA
Chair

Honolulu, Hawaii

DISCUSSION: Tracy Burgo, BWS Information Specialist, gave the report on behalf of the BWS Information Officer.

MOTION TO ADOPT RESOLUTION NO. 894, 2019 Ray Soon motioned to adopt Resolution No. 894, 2019, Acceptance of Adoption of Resolution No. 894, 2019, Acceptance of Gift to the Board of Water Supply from City Mill Company, Ltd., for Detect-A-Leak Week Program. The motion was seconded by Kapua Sproat and unanimously carried.

ITEM FOR INFORMATION NO. 1

Quarterly Capital Improvement Program Status Report
All Divisions as of
December 31, 2018

Quarter Awarded	JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN		Awarded to Date	Total Budgeted
Design Contracts Awarded (#/\$)	0	\$0.00	1	\$77,903.00	0	\$0.00	0	\$0.00	\$77,903.00	\$22,295,000.00
Construction Contracts Awarded (#/\$)	17	\$2,990,679.60	5	\$2,954,286.00	0	\$0.00	0	\$0.00	\$5,944,965.60	\$97,560,000.00
Project Totals	17	\$2,990,679.60	6	\$3,032,189.00	0	\$0.00	0	\$0.00	\$6,022,868.60	\$119,855,000.00

Quarter Completed	JUL - SEP		OCT - DEC		JAN - MAR		APR - JUN		Totals
Design Contracts Completed (#/\$)	0	\$0.00	1	\$1,347,123.98	0	\$0.00	0	\$0.00	\$1,347,123.98
Construction Contracts Completed (#/\$)	2	\$999,072.00	5	\$13,599,588.54	0	\$0.00	0	\$0.00	\$14,598,660.54
Totals	2	\$999,072.00	6	\$14,946,712.52	0	\$0.00	0	\$0.00	\$15,945,784.52

Ongoing Projects	
Ongoing Design Projects (#)	234
Ongoing Design Projects (\$)	\$88,735,928.20
Ongoing Construction Projects (#)	127
Ongoing Construction Projects (\$)	\$252,885,261.62

Quarterly Capital Improvement Program Status Report
All Divisions

DESIGN AND CONSTRUCTION PROJECTS AWARDED - SECOND QUARTER FY 2019

Item #	Project Title	Expend Type	Budget Amount	Awarded
19-005N	Mililani Wells IV Plumbness and Alignment Testing of Pumps 1 and 3	CONST	\$368,960.00	\$368,960.00
19-019	Installation of Fire Hydrants at Various Locations in Kailua	CONST	\$2,360,000.00	\$1,869,732.00
19-020	Installation of Fire Hydrants at Various Locations, Part C (Pearl City)	CONST	\$600,000.00	\$437,279.00
19-045B	GAC Interior Corrosion Control at Various Locations	CONST	-\$182,760.00	-\$182,760.00
2019-047A	Water Meter Transponders Replacement - Phase II	P&E	\$77,903.00	\$77,903.00
19-050A	Security Improvements at Various Locations Across Oahu	CONST	\$461,075.00	\$461,075.00
	2nd Quarter totals		\$3,685,178.00	\$3,032,189.00

DESIGN AND CONSTRUCTION PROJECTS COMPLETED - SECOND QUARTER FY 2019

Job #	Project Title	Completion Date	Contract Amount
16-013	Maiili Road 20-Inch Main	10/19/2018	\$574,480.80
17-048A	Slope Stabilization Near 2250 Kalena Drive	11/2/2018	\$23,000.00
18-017E	Waipahu Wells IV: Replacement of Pump No. 1	12/18/2018	\$147,323.27
18-048B	Security Fencing at Manoa Chlorinator and Pearl City 1050 Reservoir	12/12/2018	\$318,500.00
08-044B	Wireless & Camera System Services	5/28/2018	12,536,284.47
2015-056	Customer Information System Enhancement Services	7/5/2018	1,347,123.98
	2nd Quarter totals		\$14,946,712.52

Discussion: Jason Takaki, Capital Projects Division Program Administrator, gave the report.

Based on the second quarter CIP status report, Mr. Soon questioned how BWS will meet its projected CIP Budget goal of \$119,000,000 in contract awards by the end of Fiscal Year of June 30, 2019.

Manager Lau explained that all documents will need to be prepared ahead of time. The more we can do earlier in the first two quarters of the year to package and get it ready, the better we will be on schedule with the entire process of contract awards.

Ms. Sproat inquired on what the Board could do to facilitate the processes. Manager Lau suggested extending the fiscal year, like the State and City. The BWS, at one time, used an 18-month annual budget, but reverted to a 12-month.

Manager Lau will discuss with his team and come back and report to the Board on why the BWS discontinued using an 18-month budget, what other agencies use, and a recommendation on changing the fiscal year cycle. It was noted it can be covered in the next quarter Capital Improvement Project report.

ITEM FOR INFORMATION NO. 2

BOARD OF WATER SUPPLY

City and County of Honolulu

RECRUITMENT AND SEPARATION STATUS

For Period November 30, 2018 to January 31, 2019

Status of Positions Under Recruitment

	as of		
	11/30/2018	12/31/2018	1/31/2019
Pending DHR Classification Action	15	15	14
Pending DHR Open List	23	20	22
Pending IDCE	1	2	3
Pending Interview Questions	17	21	12
Pending Interviews	37	37	42
Anticipated Starts	21	20	12
Total Positions Under Recruitment	114	115	105

Filled Positions

Month	Nov-18	Dec-18	Jan-19
Open list	6	6	8
IDCE list	1	2	6

Separations

Month	Nov-18	Dec-18	Jan-19
Retire	3	8	0
Resign	1	2	0

Legend:

DHR = Department of Human Resources City and County of Honolulu

IDCE = Intra-Departmental Competitive Examination

PD = Position Description

Positions Filled January 1, 2018 through January 31, 2019



Positions Filled January 1, 2018 through January 31, 2019



DISCUSSION:

Miwako Coker, BWS Human Resources Specialist, gave the report.

Mr. Soon asked Ms. Coker to confirm that there are 29 filled positions in the last 3 months and 14 terminations or separations. Ms. Coker confirmed the filled positions are from the external open recruitment and the intra-departmental recruitment; and the separations are a combination of retirees, terminated and resignations.

WATER FOR LIFE

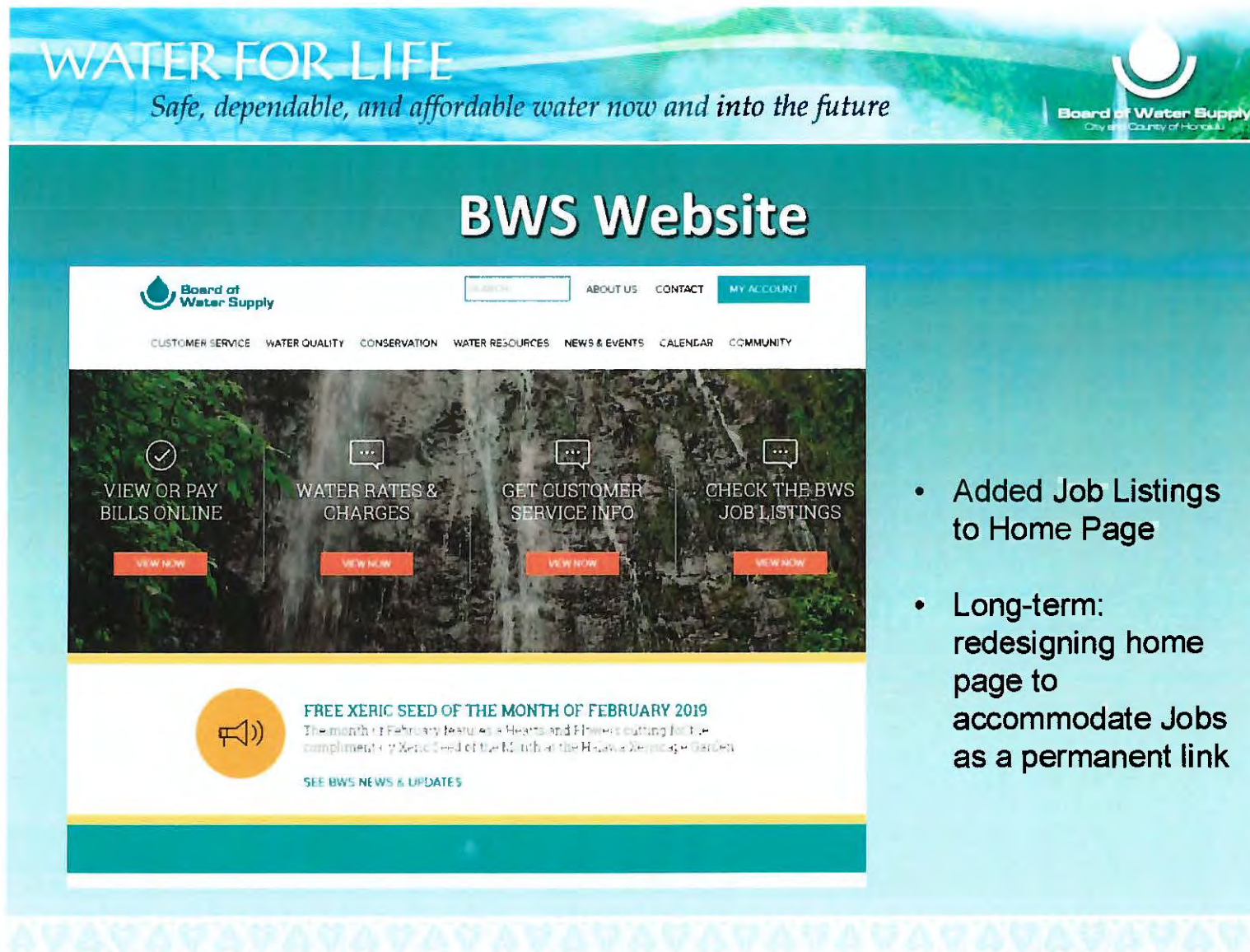
Safe, dependable, and affordable water now and into the future



Board of Water Supply
City and County of Honolulu

Communication Initiatives Job Recruitment

February 2019



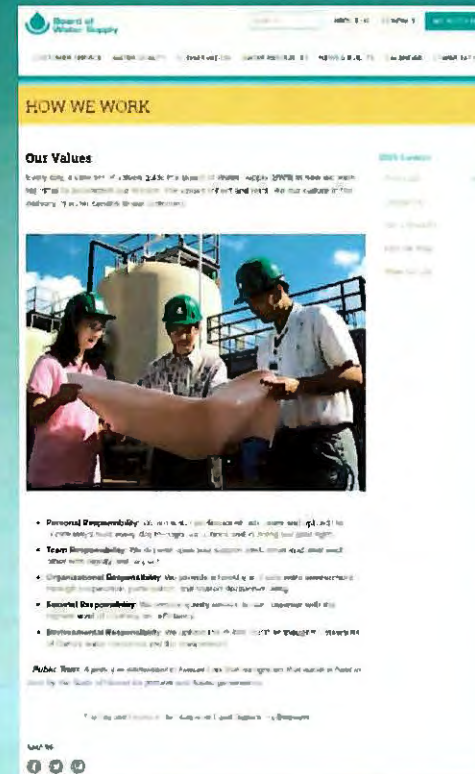
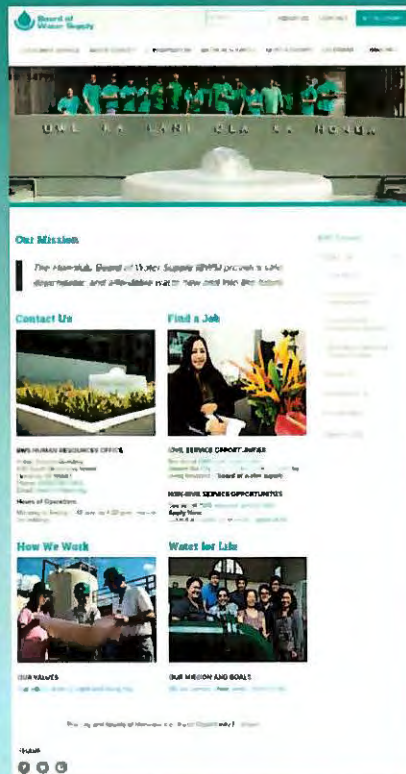
- Added Job Listings to Home Page
- Long-term: redesigning home page to accommodate Jobs as a permanent link



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Safe, dependable, and affordable water now and into the future



Updated Jobs Pages

WATER FOR LIFE

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Board of Water Supply
City and County of Honolulu

JOB POSTING

Now Hiring Customer Service Representative I

Work Type
Full-time, 40 hours per week

Work Location
1000 South Beretani Street, Suite 100, Honolulu, HI 96813

Job Description
The Customer Service Representative I position is responsible for providing excellent customer service to the public. This position involves answering customer inquiries, processing requests, and providing information regarding water services. The ideal candidate will have a strong customer service background and excellent communication skills.

Minimum Qualifications/Requirements
High school diploma or GED, minimum 1 year of customer service experience. Must be able to communicate effectively with the public and work in a team environment.

Salary
\$18.00 per hour

To Apply
Interested candidates should submit their resume and cover letter to the Human Resources Department, Board of Water Supply, 1000 South Beretani Street, Suite 100, Honolulu, HI 96813.

Posted
Monday, January 15, 2018

Submit Resume **Online Application**

FIND A JOB

Permanent, Civil Service Employment

Search Tip For a complete list of civil service openings with the BWS, visit the [BWS Civil Service Department](#) website.

Additional Resources

Temporary, Non-Civil Service Employment

Customer Service Representative

Salary \$18.00 per hour

Benefits The employee will be eligible for the Board of Water Supply's comprehensive benefits package, including medical, dental, vision, and life insurance.

Click Topics

Water **Sanitation** **Public Works**

Updated Job Listings

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Board of Water Supply
City and County of Honolulu

Link on City DHR Web Site

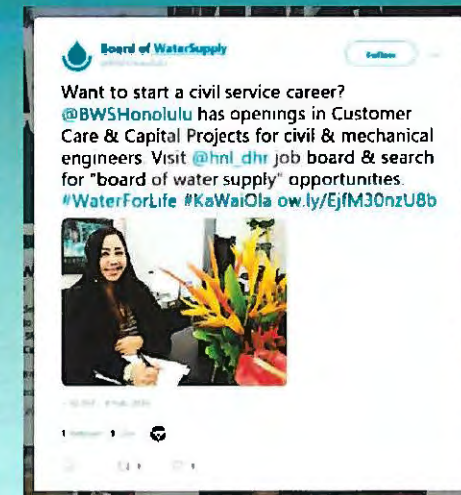


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Board of Water Supply
City and County of Honolulu



Social Media Posts

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Board of Water Supply
City and County of Honolulu

Work at the Board of Water Supply, Apply Now!



• Customer Care • Civil Engineers • Mechanical Engineers • Information Technology • Trades Apprentices
• Finance • Clerical • Data Processing Systems Analysts • Listings Updated Continuously, Check Back Often!

Visit the City and County of Honolulu Department of Human Resources at honolulu.gov/hr
or submit a resume with your detailed work experience to bwsr@hbws.org.

More information at www.bwsjobs.com



Board of Water Supply
www.bwsjobs.com
520 S. Beretania St. Honolulu, HI 96813

This ad is paid for by the employees of the Honolulu Board of Water Supply

Advertising and Collateral

Join Our Customer Care Team!



Customer Service Representative - Temporary Employment

Our Customer Service Representatives answer phone calls, respond to emails and help walk-in customers with their requests to start or stop water service, billing questions, post-due matters, etc.

- Full time salary is \$2,835 per month. Part time hourly rates \$15.51
- Both full-time and part-time hours are available
- Minimum Qualifications: A combination of education and experience substantially equivalent to graduation from high school and two years of clerical experience, one of which must have involved public contact work which required providing information, answering questions and inquiries, and explaining policies, rules and regulations in person or by telephone.
- To Apply: Visit the City and County of Honolulu Department of Human Resources www.honolulu.gov/hr or submit a resume with your detailed work experience to bwsr@hbws.org

At the time of application, you must be a citizen, national, or permanent resident of the United States or a permanent resident alien.
Honolulu and its surrounding communities are an Equal Opportunity Employer.
The City and County of Honolulu is an Equal Opportunity Employer.



Board of Water Supply
www.bwsjobs.com
520 S. Beretania St. Honolulu, HI 96813

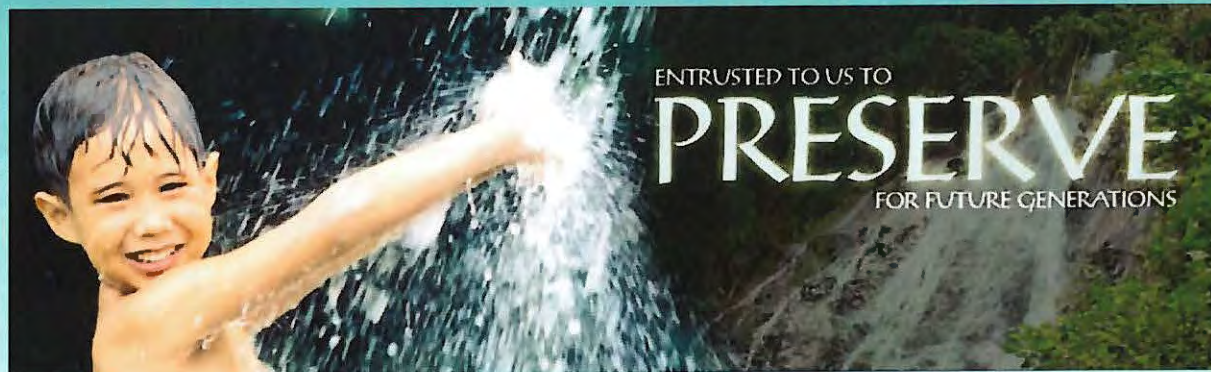
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Board of Water Supply
City and County of Honolulu

Mahalo and Aloha



Discussion:

Stella Bernardo, BWS Assistant Information Specialist, presented the Job recruitment powerpoint presentation slide for Human Resources.

Based on feedback received during the January board meeting, the BWS Communications Office and Human Resources Office worked to improve the jobs section of the BWS website. Two weeks later, BWS launched a revamped BWS job recruitment website. To date, the Communications Office has received comments about information about the BWS and job postings being more readily found. BWS also is posting about job opportunities on social media where people are able to share with friends and family, and has bus cards and flyers in development.

Manager Lau recognized Chair Andaya for his ideas and suggestions on making the changes on the BWS website because it was difficult to find jobs on the website. The City website Honolulu.gov - Department of Human Resources is not very easy to find Board of Water Supply's job listing. Manager Lau also thanked BWS Human Resources and Communication Office for putting it all together.

Ms. Sproat suggested incentives as a consideration that some agencies are incorporating in recruiting. She mentioned one concept, "loan forgiveness" as a potential benefit that could help to draw and keep new talent.

Mr. Soon asked about BWS intern recruitment.

Mr. Takaki said they have been successful with the civil service training program over the years. He agreed they should have Student Interns, but there is no physical space for them to work.

Manager Lau added that we've been actually very successful in attracting civil engineering students through University of Hawaii College of Engineering. It's a good model for us and worked well. We need to take various approaches and be open to it. We also use a program called Pookela Program. BWS have been fortunate to have some good people come to work here, not only engineers, but also non-engineers.

Chair Andaya strongly encouraged the student internship program and sees it as a key option to attracting the talent we need to accomplish our mission.

Ms. Sproat asked how can the Board help with the space issue and if it can be addressed immediately?

Manager Lau responded we plan to optimize our use of space within the existing buildings. It's an active project that we're working on through our Capital Projects Division. It is going to require doing some things to work with spaces that are much smaller, but more efficient for our employees. We are also looking at the fourth floor of this building, which is currently

underutilized right now. We have adopted some space standards based on your position to try to be more consistent, this could also mean my office, the Manager's Office, is going to shrink by a half or a third or two-thirds in the future, once we get through the renovation. So, at some point, the Board may be looking at a modernization of the existing Public Service Building, Engineering Building, and Pump Buildings. We may also be doing some of the floor plans to be more efficient and use the space.

There's also the leveraging of our base yards or the land at our base yards. There are variety of different approaches.

"February 25, 2019

GROUNDWATER
LEVELS

Chair and Members
Board of Water Supply
City and County of Honolulu
Honolulu, Hawaii 96843

Chair and Members:

Subject: Status Update of Groundwater Levels at All Index Stations

There were no aquifer index wells within low groundwater status for the production month of January 2019. The monthly production average January 2019 was 131.30 million gallons per day.

The Board of Water Supply rainfall index for the month of January 2019 was 50 percent of normal; with a 5-month moving average of 107 percent. As of February 5, 2019, the Hawaii Drought Monitor shows abnormally dry to moderate drought conditions for the leeward side of Oahu, from Ewa to Waianae. The National Weather Service is forecasting below normal rainfall for February 2019.

Most monitoring wells are showing static to slightly increasing trends, likely resulting from decreased pumping during the winter months.

Respectfully submitted,

/s/ ERNEST Y. W. LAU, P.E.
Manager and Chief Engineer

Attachments"

The foregoing was for information only.

DISCUSSION: Barry Usugawa, Water Resources Division Program Administrator, gave the report.

Ms. Sproat commented that she noticed for 2018, the monthly production was significantly below the five-year monthly average. Ms. Sproat questioned if that is just because it was raining for the last year? Or it just seems significant. Mr. Usugawa responded: from a month to month basis, it's really tied to weather; from August through November, we had 287% rainfall. We had a wet summer, which is the high humid period that

drives the production more than it would be otherwise. I believe it's a combination of both weather and conservation.

**PRODUCTION, HEAD AND RAINFALL REPORT
MONTH OF JANUARY 2019**

POTABLE

STATION	MGD
HONOLULU (1)	
KULIQUOU	0.08
WAILUPE	0.09
AINA KOA	0.14
AINA KOA II	0.86
MANOA II	0.00
PALOLO	1.19
KAIMUKI HIGH	2.20
KAIMUKI LOW	2.49
WILDER	7.16
BERETANIA HIGH	4.25
BERETANIA LOW	5.70
KALIHI HIGH	1.89
KALIHI LOW	2.36
KAPALAMA	0.69
KALIHI SHAFT	8.58
MOANALUA	1.29
HALAWA SHAFT	2.07
KAAMILO	0.88
KALAUAO	6.23
PUNANANI	10.58
KAHUMANU	0.25
HECO WAIAU	2.77
MANANA	0.23
WELLS SUBTOTAL:	61.97
MANOA TUNNEL	0.17
PALOLO TUNNEL	0.23
GRAVITY SUBTOTAL:	0.40
HONO. SUBTOTAL:	62.37

STATION	MGD
WINDWARD (2)	
WAIMANALO II	0.38
WAIMANALO III	0.00
KUOU I	0.00
KUOU II	0.10
KUOU III	0.81
LULUKU	0.98
HAIKU	0.00
IOLEKAA	0.00
KAHALUU	0.80
KAHANA	0.00
PUNALUU I	0.00
PUNALUU II	1.28
PUNALUU III	1.07
KALUANUI	0.11
MAAKUA	0.16
HAUULA	0.27
WELLS SUBTOTAL:	5.98
WAIM. TUNNELS I & II	0.00
WAIM. TUNNELS III&IV	0.19
WAIHEE INCL. WELLS	0.55
WAIHEE TUNNEL	5.44
LULUKU TUNNEL	0.12
HAIKU TUNNEL	0.94
KAHALUU TUNNEL	1.95
GRAVITY SUBTOTAL:	9.20
WIND. SUBTOTAL:	15.18

STATION	MGD
NORTH SHORE (3)	
KAHUKU	0.39
OPANA	0.02
WAIALEE I	0.43
WAIALEE II	0.47
HALEIWA	0.00
WAIALUA	1.37
N. SHORE SUBTOTAL:	2.68

STATION	MGD
MILILANI (4)	
MILILANI I	1.87
MILILANI II	0.00
MILILANI III	0.67
MILILANI IV	1.53
MILILANI SUBTOTAL:	4.07

STATION	MGD
WAIHAWA (5)	
WAIHAWA	1.57
WAIHAWA II	1.26
WAIHAWA SUBTOTAL:	2.83

STATION	MGD
PEARL CITY-HALAWA (6)	
HALAWA 277	0.63
HALAWA 550	0.00
AIEA	1.13
AIEA GULCH 497	0.36
AIEA GULCH 550	0.21
KAONOHI I	1.00
WAIMALU I	0.00
NEWTOWN	0.88
WAIALU	0.64
PEARL CITY I	0.50
PEARL CITY II	0.98
PEARL CITY III	0.38
PEARL CITY SHAFT	0.92
PEARL CITY-HALAWA SUBTOTAL:	7.64

STATION	MGD
WAIPAHU-EWA (7)	
WAIPIO HTS.	0.13
WAIPIO HTS. I	0.31
WAIPIO HTS. II	0.19
WAIPIO HTS. III	1.23
WAIPAHU	5.45
WAIPAHU II	1.94
WAIPAHU III	1.55
WAIPAHU IV	1.92
KUNIA I	3.77
KUNIA II	1.83
KUNIA III	1.52
HOAEAE	4.79
HONOLULU I	1.29
HONOLULU II	7.18
MAKAKILO	0.30
WAIPAHU-EWA SUBTOTAL:	33.40

STATION	MGD
WAIANAE (8)	
MAKAHA I	0.17
MAKAHA II	0.07
MAKAHA III	0.06
MAKAHA V	0.17
MAKAHA VI	0.00
MAKAHA SHAFT	0.00
KAMAILE	0.00
WAIANAE I	0.28
WAIANAE II	0.09
WAIANAE III	0.75
WELLS SUBTOTAL:	1.58
WAIJA C&C TUNNEL	1.40
WAIJA PLANT. TUNNELS	0.16
GRAVITY SUBTOTAL:	1.56
WAIANAE SUBTOTAL:	3.14

NONPOTABLE

NONPOTABLE	MGD
KALAUAO SPRINGS	0.67
BARBERS POINT WELL	1.16
GLOVER TUNNEL NP	0.41
NONPOTABLE TOTAL:	2.24

RECYCLED WATER DECEMBER 2018

RECYCLED WATER	MGD
HONOLULU WRF R-1	4.72
HONOLULU WRF RO	1.60
RECYCLED WATER TOTAL:	6.32

**PRODUCTION, HEAD AND RAINFALL REPORT
MONTH OF JANUARY 2019**

PRODUCTION SUMMARIES

TOTAL WATER	MGD
PUMPAGE	120.14
GRAVITY	11.16
POTABLE TOTAL:	131.30
NONPOTABLE	2.24
RECYCLED WATER	6.32
TOTAL WATER:	139.85

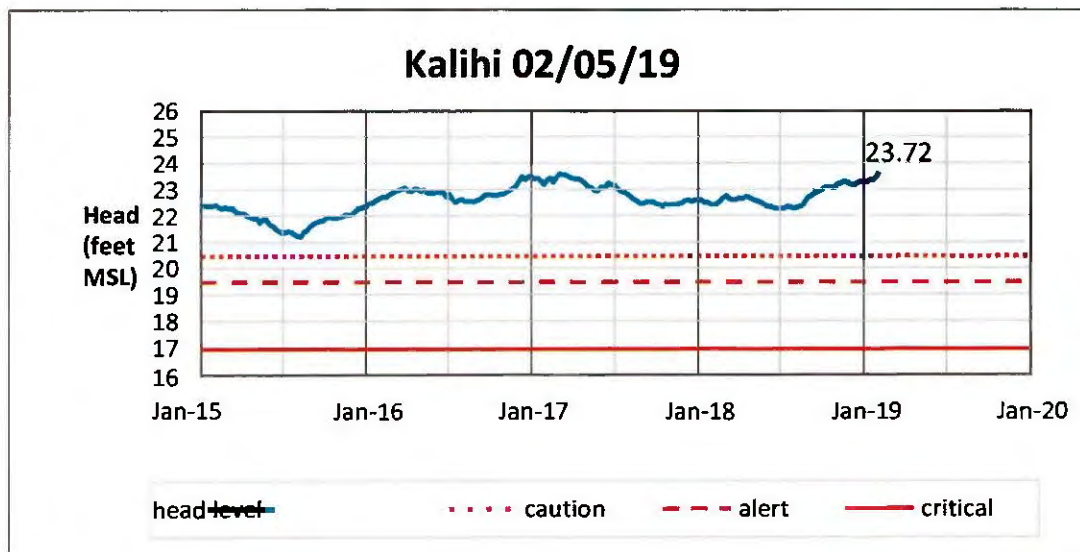
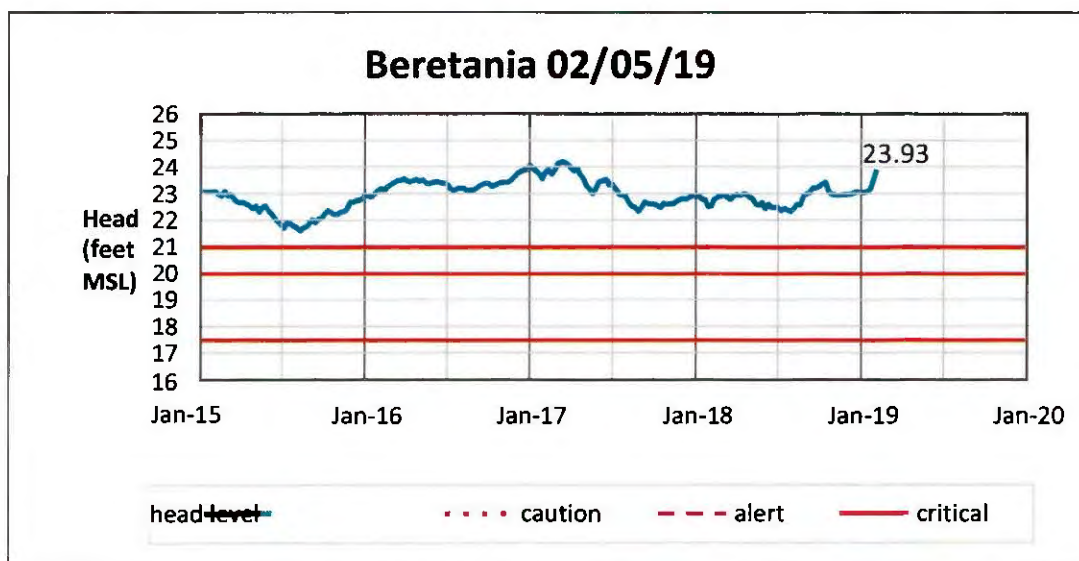
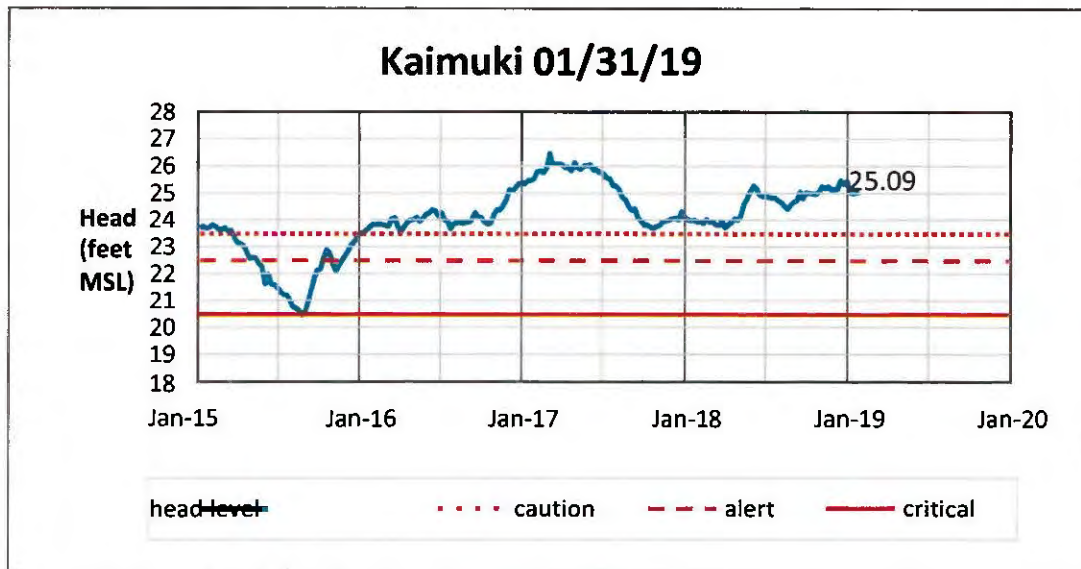
CWRM PERMITTED USE AND BWS ASSESSED YIELDS FOR BWS				
POTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE/ BWS YLDS	JAN 2019	DIFF. A-B
1	HONOLULU	82.93	61.97	20.96
2	WINDWARD	25.02	9.19	15.83
3	NORTH SHORE	4.74	2.68	2.06
4	MILILANI	7.53	4.07	3.46
5	WAIHAWA	4.27	2.83	1.44
6	PEARL CITY-HALAWA	12.25	7.64	4.61
7	WAIPAHU-EWA	50.63	33.40	17.23
8	WAIANAE	4.34	1.58	2.76
TOTAL:		191.71	123.35	68.36

CWRM PERMITTED USE FOR BWS				
NONPOTABLE SOURCES				
WATER USE DISTRICTS		A	B	C
		PERMITTED USE	JAN 2019	DIFF. A-B
7	WAIPAHU-EWA (BARBERS POINT WELL)	1.00	1.16	-0.16
TOTAL:		1.00	1.16	-0.16

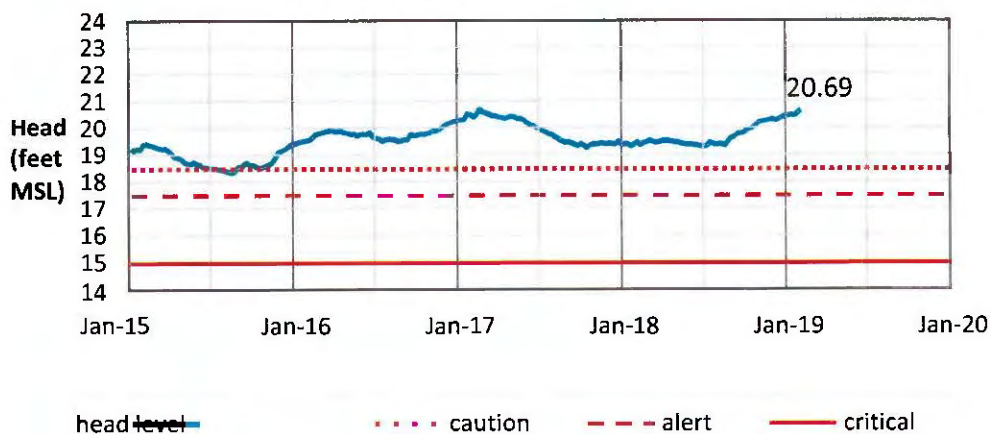
EFFECTIVE WATER DEMAND PER DISTRICT

IMPORT/EXPORT BETWEEN WATER USE DISTRICTS			
FROM	TO		MGD
2	1	WINDWARD EXPORT	1.15
7	8	BARBERS PT LB	5.89

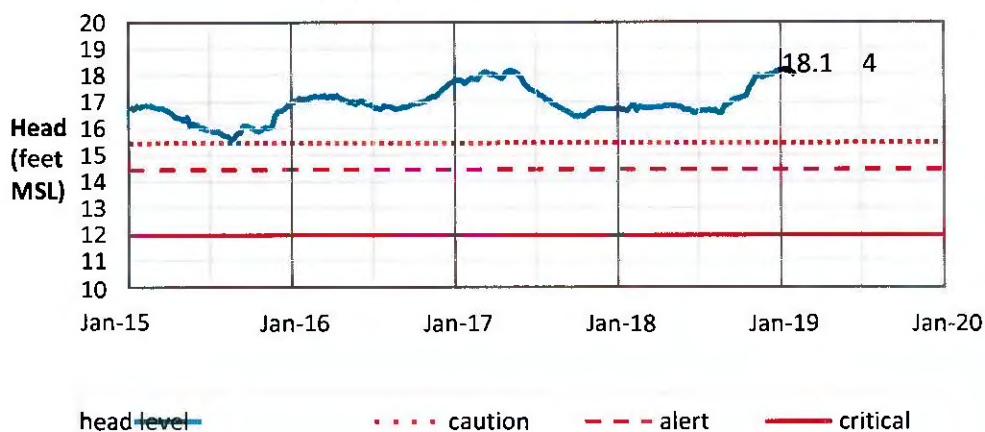
WATER USE DISTRICTS		SUBTOTAL	IMPORT	EXPORT	EFFECTIVE WATER DEMAND
1	HONOLULU	81.97	1.15	-	63.12
2	WINDWARD	9.19	-	1.15	8.03
3	NORTH SHORE	2.68	-	-	2.68
4	MILILANI	4.07	-	-	4.07
5	WAIHAWA	2.83	-	-	2.83
6	PEARL CITY-HALAWA	7.64	-	-	7.64
7	WAIPAHU-EWA	33.40	-	5.89	27.51
8	WAIANAE	1.58	5.89	-	7.47
TOTAL:		123.35	7.05	7.05	123.35



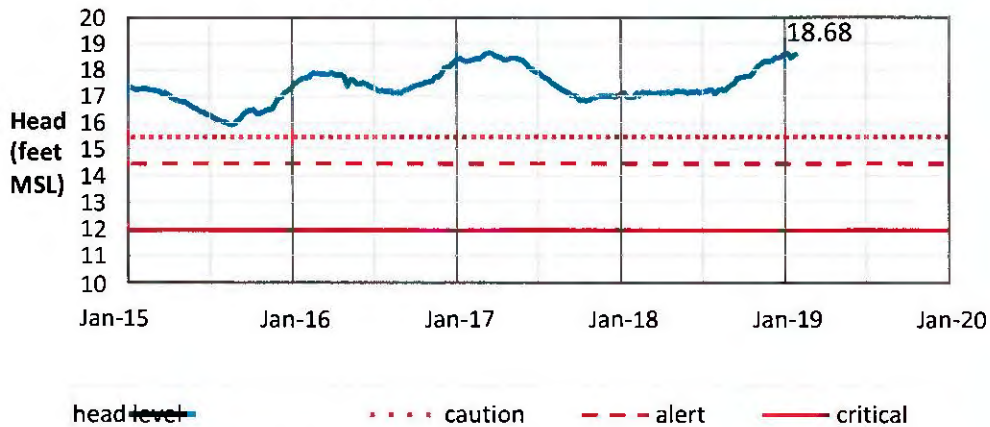
Moanalua 02/05/19

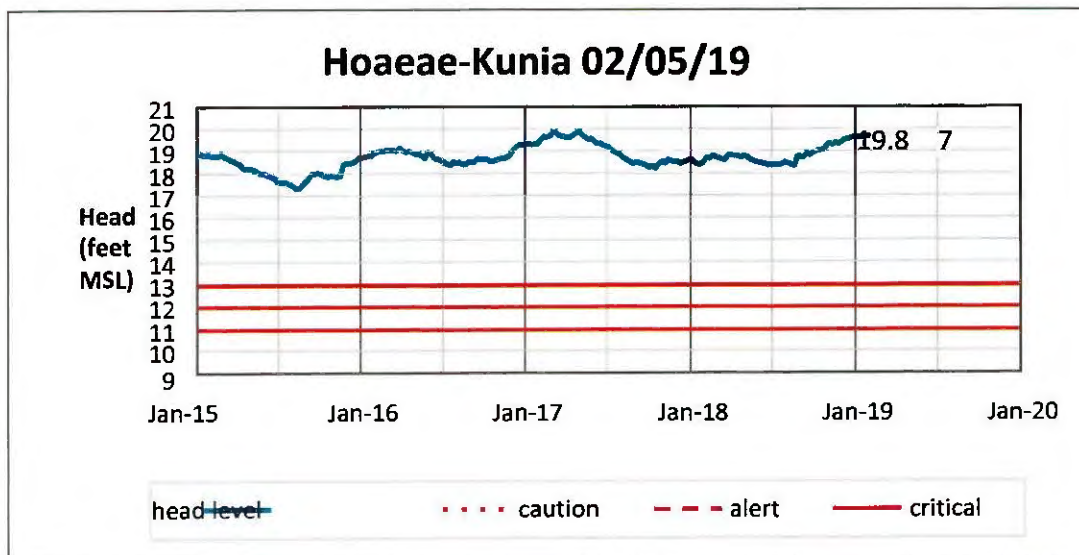
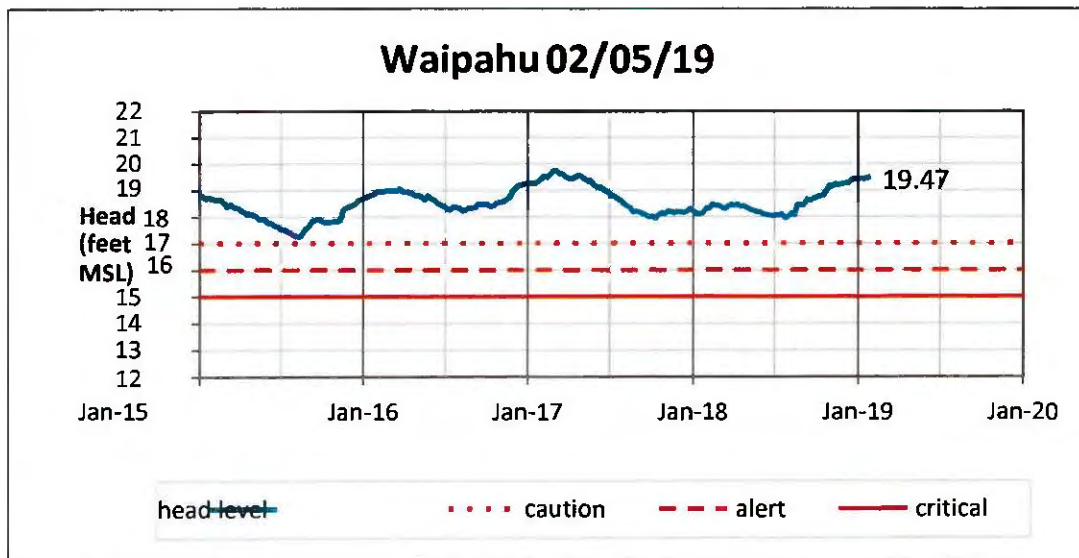
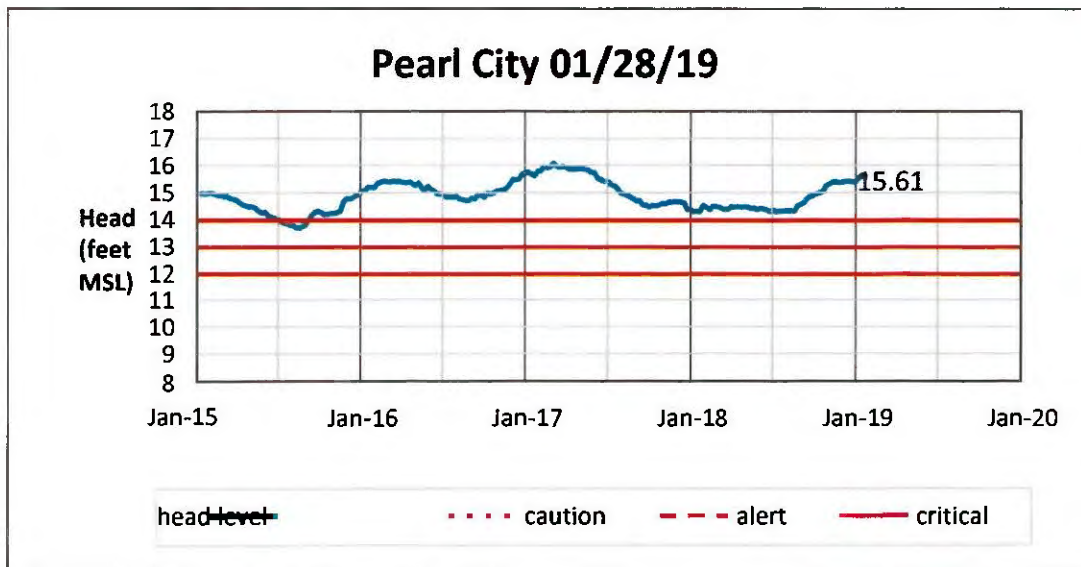


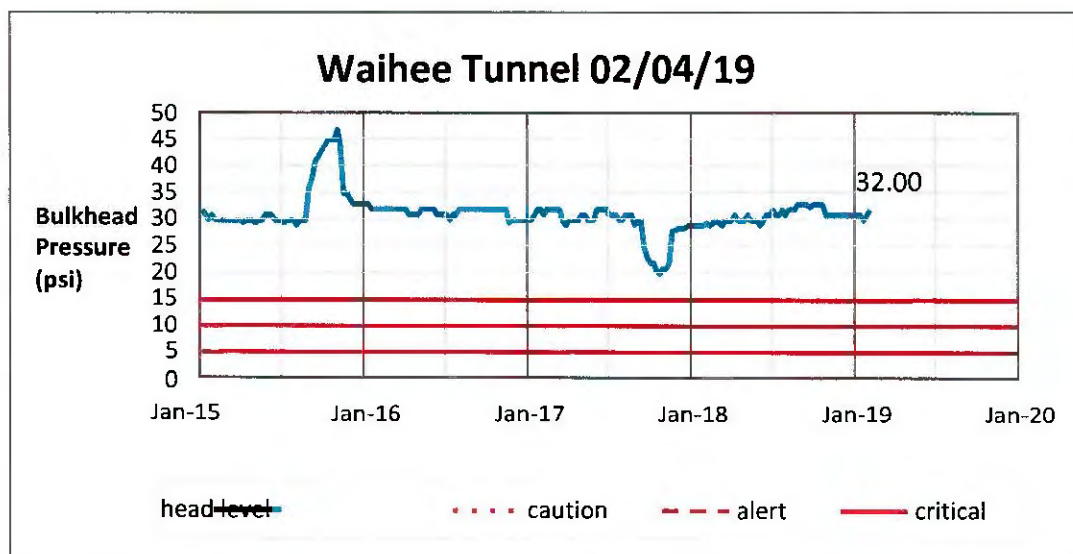
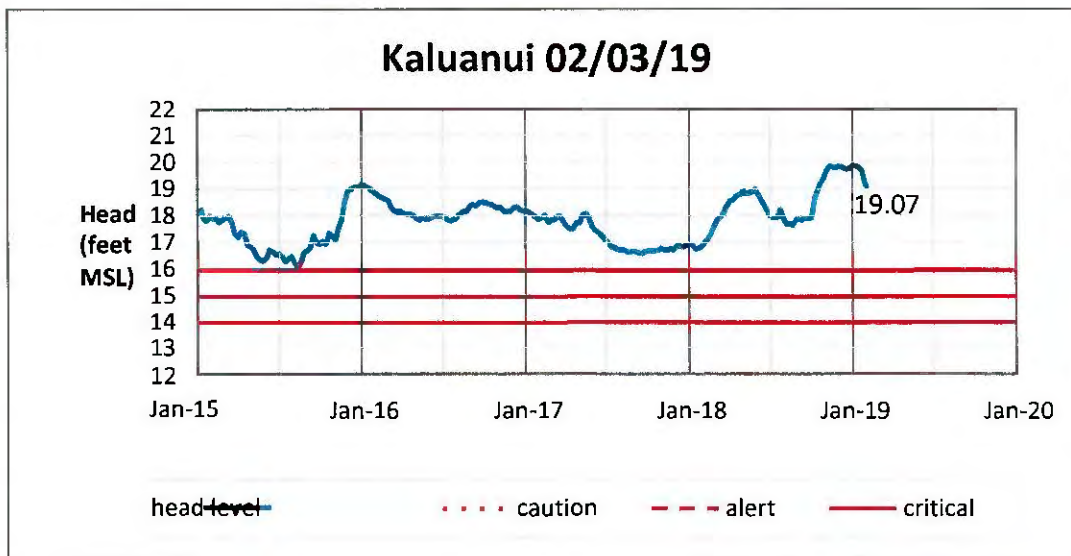
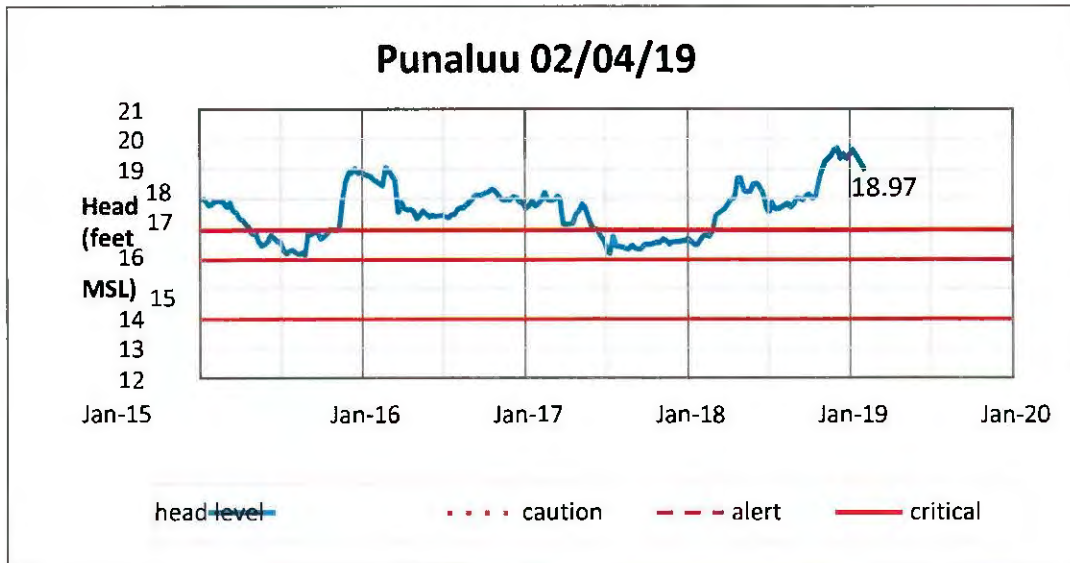
Halawa 02/05/19

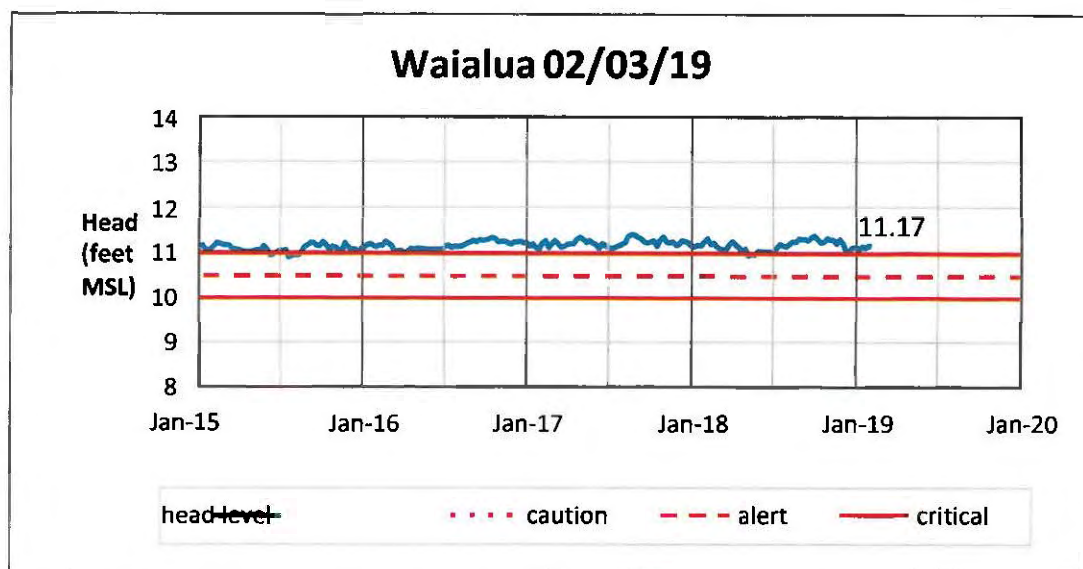


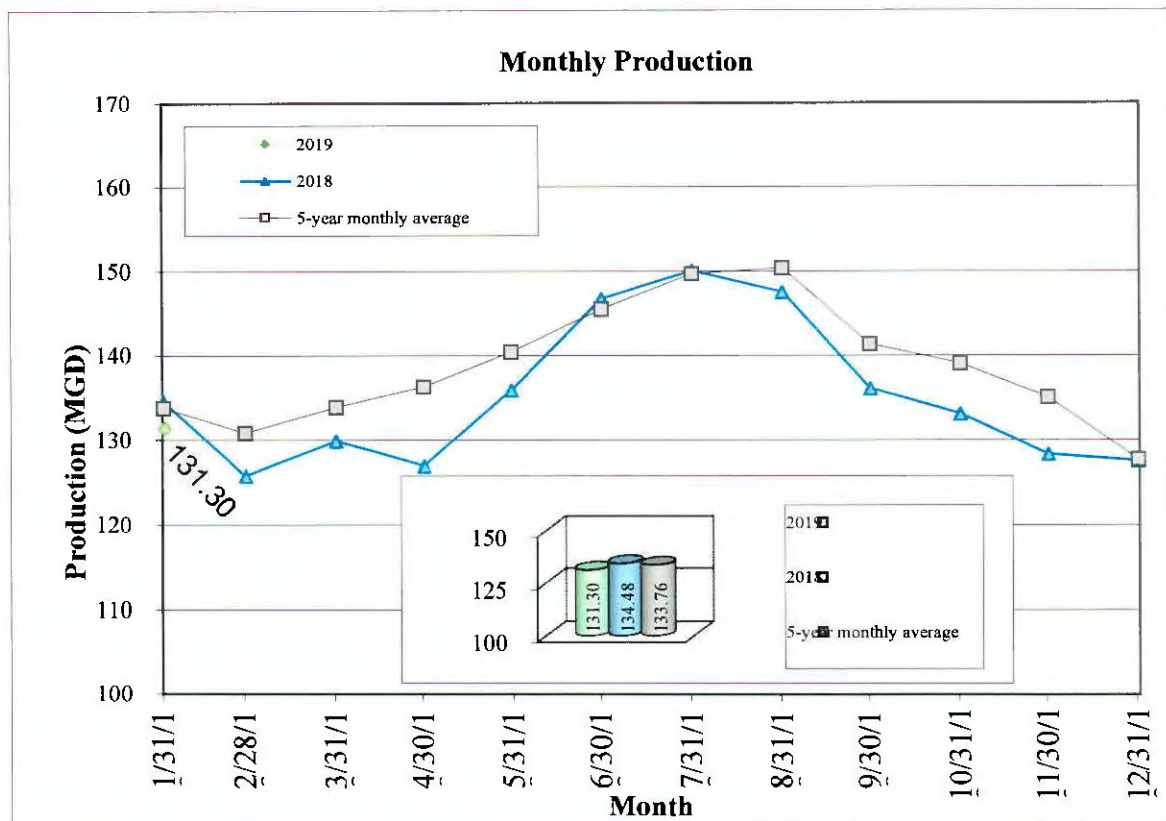
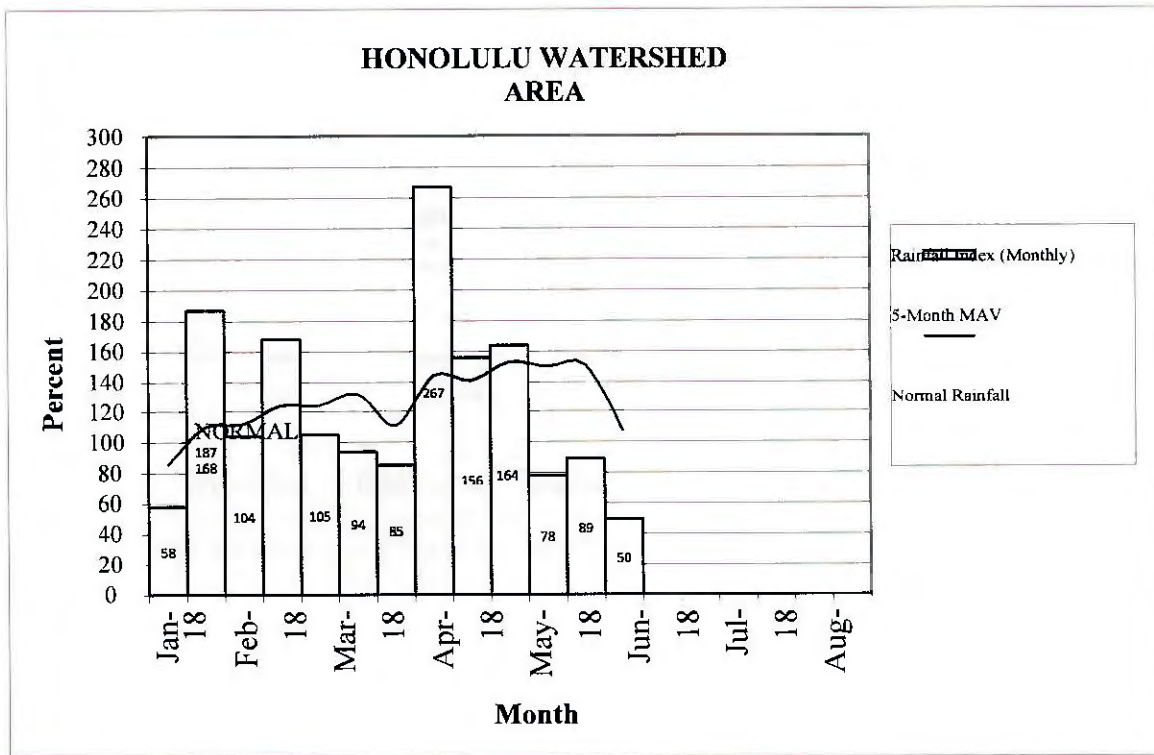
Kalauao 01/28/19









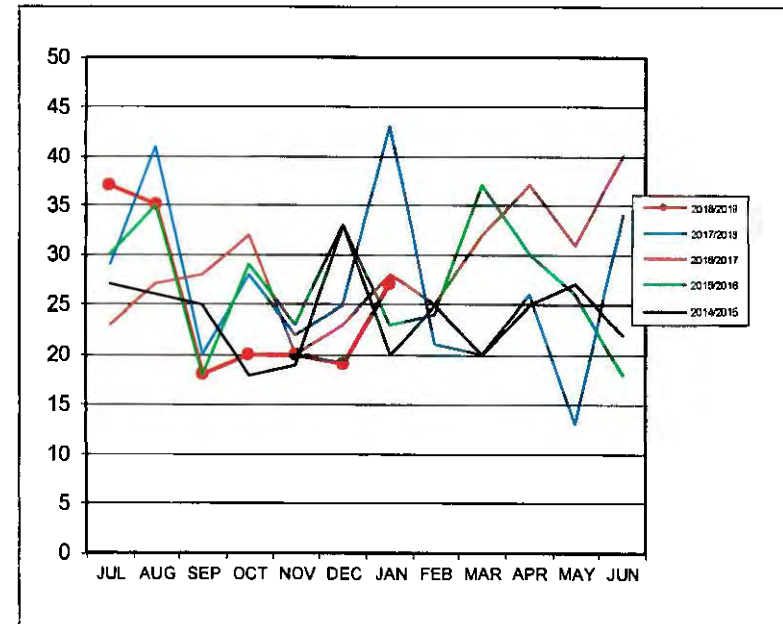


ITEM FOR INFORMATION NO. 4

WATER MAIN REPAIR REPORT
for January 2019

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
2018/2019	37	35	18	20	20	19	27						176
2017/2018	29	41	20	28	22	25	43	21	20	26	13	34	322
2016/2017	23	27	28	32	20	23	28	25	32	37	31	40	346
2015/2016	30	35	18	29	23	33	23	24	37	30	26	18	326
2014/2015	27	26	25	18	19	33	20	25	20	25	27	22	287

Date	Address	Size (In)	Pipe Type
1/1/2019	2284 Waiomao Rd, Honolulu	8	CI
1/2/2019	3560 Campbell Ave, Honolulu	12	CI
1/3/2019	99-403 Aiealani Pl, Aiea	8	CI
1/4/2019	2125 Pauoa Rd, Honolulu	4	GI
1/7/2019	98-1047 Kaonohi St, Aiea	8	CI
1/8/2019	2508 Awalii St, Pearl City	8	CI
1/9/2019	45-538 Keaahala Rd, Kaneohe	8	CI
1/11/2019	Waimano Home Rd, Pearl City	6	CI
1/13/2019	2039 Puna St, Honolulu	6	CI
1/13/2019	92-620 Makakilo Dr, Kapolei	8	CI
1/14/2019	45-049 Kahanahou Pl, Kaneohe	8	PVC
1/14/2019	92-612 Makakilo Dr, Kapolei	8	CI
1/15/2019	66-966 Kuewa Dr, Waialua	6	CI
1/16/2019	137 Puiwa Rd, Honolulu	8	CI
1/17/2019	92-605 Makakilo Dr, Kapolei	8	CI
1/18/2019	2391 Aumakua St, Pearl City	6	CI
1/26/2019	705 Kaheka St, Honolulu	6	CI
1/27/2019	1525 Kokea St, Honolulu	8	CI
1/27/2019	238 Kamani St, Honolulu	8	CI
1/27/2019	1630 Ala Aolani St, Honolulu	12	CI
1/29/2019	1658 Ala Aolani St, Honolulu	12	CI
1/29/2019	1724 Ala Aolani St, Honolulu	12	CI
1/30/2019	Pelukua St, Ewa Beach	8	PVC
1/30/2019	67-21 Kaimanu Pl, Waialua	8	CI
1/30/2019	47-641 Melekula Rd, Kaneohe	6	CI
1/31/2019	419 Kawailoa Rd, Kailua	12	PVC
1/31/2019	2711 Ferdinand Ave	6	CI



45 miles of pipelines were surveyed by the Leak Detection Team in the month of January.

DISCUSSION: Mike Fuke, Acting Field Operations Divisions Program Administrator, gave the report. There were no questions, comments or discussion from the Board Members.

Added Discussion not on Agenda

DISCUSSION: Before ending the regular meeting, Chair Andaya congratulated Jade Butay on being appointed and confirmed with Department of Transportation. Mr. Butay said he was in the process for the confirmation and has one more step to complete.

Mr. Sword raised a question about the Farmer Bureau Bill that could be funding a well in the Central Oahu area. Manager Lau acknowledged, and let known because of the topic is not on the agenda he would answer quickly so he doesn't create a sunshine problem. He confirmed the bill that is supported by the Farm Bureau, others and Board of Water Supply to have a state CIP project using general obligation bonds where the state would be responsible to repay the debt to fund an exploratory well in the Kunia area. This would be a way to get the state to contribute to help farmers that the Board of Water Supply has been doing for 50 years through discounted water rates for farmers. Answer was okay with Mr. Sword.

Mr. Soon expressed a concern on how Mr. Sword's question would've not been heard because it was not on the agenda and being in an open meeting the question is valuable to the public and the Board to know. He suggested the procedure should be changed where questions that is not on the agenda could be asked.

Mr. Sword added the Farmer Bureau Bill could've been where the Board could say "that it is a good bill to support". Mr. Sword advised that there is such a procedure that allows to sunshine an item onto the agenda, and suggested maybe counsel guidance can be given for the next time. Manager offered to discuss with the Board Counsel to look at a different mechanism to do that. Jessica Wong advised it was okay to discuss at this time. As a good mechanism, Manager Lau asked Ms. Wong to advise the appropriate approach.

MOTION TO RECESS INTO EXECUTIVE SESSION

Upon unanimously approved motion, the Board recessed into Executive Session Pursuant to [HRS §92-5(a)(2)] at 2:48 PM to Consider Issues Pertaining to Matters Posted for Discussion at an Executive Session

OPEN SESSION

The Board reconvened in Open Session at 3:26 PM

MOTION TO ADJOURN


There being no further business Chair Andaya at 3:27 PM called for a motion to adjourn the Open Session. Max Sword so moved; seconded by Jade Butay and unanimously carried.

THE MINUTES OF THE REGULAR SESSION BOARD MEETING ON FEBRUARY 25, 2019 WERE APPROVED AT THE MARCH 25, 2019 BOARD MEETING			
	AYE	NO	COMMENT
BRYAN P. ANDAYA	X		
KAPUA SPROAT			ABSENT
KAY C. MATSUI			ABSENT
RAY C. SOON	X		
ROSS S. SASAMURA	X		
JADE T. BUTAY	X		
MAX J. SWORD	X		

Respectfully submitted,


 DONNA A. KUEWA

APPROVED:


 BRYAN P. ANDAYA
 Chair of the Board

MAR 25 2019

Date